

Board Administration and Regulatory Coordination Unit

Division 3. Air Resources Board

Chapter 3. Highway and Mandatory Inspection Emission Standards

Article 1. General Provisions

§ 2175. Highway Exhaust Emissions--Light-Duty Vehicles.

(a) The state board finds the standards for exhaust emissions set forth in Table 1 to be the maximum allowable emissions of pollutants from light-duty (6,000 pounds or less gross vehicle weight) and medium-duty (8,500 pounds or less gross vehicle weight) gasoline-powered vehicles when inspected at California Highway Patrol roadside inspection lanes.

(b) The inspection shall consist of exhaust emission measurements from the vehicle with the air injection system (if any) connected. Hydrocarbon and carbon monoxide concentrations shall be determined by nondispersive infrared instrumentation.

The idle mode test shall be performed with the transmission set in neutral gear with the engine at its normal operating temperature.

Table 1
Highway Inspection Standards

Category Number	Model Year	Emission Control System	No. of Cylinder	Idle Standards*	
				HC PPM %	CO
1	1955–1965		5 or more	800	8.50
2	1966–1970	with air injection	5 or more	450	5.00
3	1966–1970	without air injection	5 or more	550	7.00
4	1971–1972	with air injection	5 or more	300	4.00
5	1971–1972	without air injection	5 or more	450	6.50
6	1973–1974	with air injection	5 or more	200	3.50
7	1973–1974	without air injection	5 or more	450	6.50
8	1955–1967		4 or less	1200	8.00
9	1968–1970	with air injection	4 or less	400	5.50
10	1968–1970	without air injection	4 or less	900	7.50
11	1971–1972	with air injection	4 or less	400	5.50
12	1971–1972	without air injection	4 or less	400	6.50
13	1973–1974	with air injection	4 or less	300	4.50
14	1973–1974	without air injection	4 or less	350	6.50
15	1975 +	no catalyst	ALL	150	3.00
16	1975 +	catalyst without air injection	ALL	200	4.00
17	1975 +	catalyst with air injection	ALL	100	1.00
18	1975 +	three – way catalyst	ALL	80	1.00

*HC (ppm) is defined as hydrocarbons in parts per million of hexane by volume and CO (%) is defined as carbon monoxide in percent by volume.

NOTE: Authority cited: Sections 39600, 39601 and 43101, Health and Safety Code; and Sections 27157 and 27157.5, Vehicle Code. Reference: Sections 39002, 39003, 39500, 43000 and 43101, Health and Safety Code; and Sections 27157 and 27157.5, Vehicle Code.

REFERENCE